

Nagasamudram Suresh Kumar

List of Publications by Year in descending order

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papers

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all docs

37
docs citations

37
times ranked

424
citing authors

#	ARTICLE	IF	CITATIONS
1	Review on Magnetocaloric Effect and Materials. Journal of Superconductivity and Novel Magnetism, 2018, 31, 1971-1979.	1.8	130
2	A review on biological and biomimetic materials and their applications. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	2.3	62
3	Sol-gel synthesized and microwave heated Pb _{0.8} -yLa _{0.2} TiO ₃ (y = 0.2) nanoparticles: Structural, morphological and dielectric properties. Ceramics International, 2018, 44, 18189-18199.	4.8	57
4	Structural and functional properties of sol-gel synthesized and microwave heated Pb _{0.8} Co _{0.2} -zLa _z TiO ₃ (z = 0.05) nanoparticles. Ceramics International, 2018, 44, 19408-19420.	4.8	53
5	Microwave heated lead cobalt titanate nanoparticles synthesized by sol-gel technique: Structural, morphological, dielectric, impedance and ferroelectric properties. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2019, 242, 23-30.	3.5	43
6	Grain and grain boundary conduction mechanism in sol-gel synthesized and microwave heated Pb _{0.8} -yLa _{0.2} TiO ₃ (y = 0.2) nanofibers. Materials Chemistry and Physics, 2019, 223, 241-248.	4.0	40
7	Structural, morphological, electrical, impedance and ferroelectric properties of BaO-ZnO-TiO ₂ ternary system. Journal of the Australian Ceramic Society, 2019, 55, 201-218.	1.9	36
8	Multiferroic Nature of Microwave-Processed and Sol-Gel Synthesized NanoPb _{1-x} Co _x TiO ₃ (x = 0.2) Ceramics. Crystal Research and Technology, 2018, 53, 1800139.	1.3	33
9	Induced dielectric behavior in high dense Al _x La _{1-x} TiO ₃ (x = 0.2) nanospheres. Journal of Materials Science: Materials in Electronics, 2019, 30, 20253-20264.	2.2	33
10	Structural and ferroelectric properties of microwave heated lead cobalt titanate nanoparticles synthesized by sol-gel technique. Journal of Materials Science: Materials in Electronics, 2018, 29, 4738-4742.	2.2	21
11	Structural transformation and high negative dielectric constant behavior in (1-x) (Al _{0.2} La _{0.8} TiO ₃) + (x) (BiFeO ₃) (x = 0.2) nanocomposites. Physica E: Low-Dimensional Systems and Nanostructures, 2020, 122, 114204.	2.7	21
12	Nanorods like microstructure, photocatalytic activity and ac-electrical properties of (1-x) (Al _{0.2} La _{0.8} TiO ₃) + (x) (BaTiO ₃) (x = 0.2, 0.4, 0.6 & 0.8) nanocomposites. Chemical Physics Letters, 2020, 26, 752, 137552.		20
13	Temperature and frequency dependence of complex impedance parameters of microwave sintered NiMg ferrites. Journal of the Australian Ceramic Society, 2019, 55, 541-548.	1.9	19
14	Negative dielectric behavior in tetragonal La _{0.8} Co _{0.2} -xEu _x TiO ₃ (x = 0.01) nanorods. Materials Characterization, 2020, 166, 110425.	4.4	18
15	A Review on Metamaterials for Device Applications. Crystals, 2021, 11, 518.	2.2	18
16	A review on giant piezoelectric coefficient, materials and applications. Biointerface Research in Applied Chemistry, 2019, 9, 4205-4216.	1.0	16
17	Photocatalytic Activity, Negative AC-Electrical Conductivity, Dielectric Modulus, and Impedance Properties in 0.6 (Al _{0.2} La _{0.8} TiO ₃) + 0.4 (BiFeO ₃) Nanocomposite. Crystal Research and Technology, 2020, 55, 2000068.	1.3	13
18	BaSrLaFe ₁₂ O ₁₉ nanorods: optical and magnetic properties. Journal of Materials Science: Materials in Electronics, 2020, 31, 8022-8032.	2.2	12

#	ARTICLE	IF	CITATIONS
19	A review on the origin of nanofibers/nanorods structures and applications. Journal of Materials Science: Materials in Medicine, 2021, 32, 68.	3.6	11
20	Phase transformation, nanorod-like morphology, wide bandgap, and dielectric properties of $(Al_{0.2}La_{0.8}TiO_3)_x(BaTiO_3)_{(1-x)}$ ($x=0.2-0.8$) nanocomposites. Journal of Materials Science: Materials in Electronics, 2020, 31, 9293-9305.	3.7	7
21	Tetragonal structure and dielectric behaviour of rare-earth substituted $La_{0.8}Co_{0.16-x}Eu_{0.04}Gd_xTiO_3$ ($x = 0.04-0.16$) nanorods. Materials Chemistry and Physics, 2022, 278, 125598.	4.0	7
22	Phase change and ferroelectric nature of microwave-heated lead cobalt titanate nanoparticles prepared by sol-gel method. International Journal of Applied Ceramic Technology, 2019, 16, 130-137.	2.1	5
23	Stability of 2D and 3D Perovskites Due to Inhibition of Light-Induced Decomposition. Journal of Electronic Materials, 2020, 49, 7072-7084.	2.2	4
24	Structure, morphology, dielectric, and impedance properties of $(1-x)(Al_{0.2}La_{0.8}TiO_3) + (x)(CuTiO_3)$ ($x=0.2-0.8$) nanocomposites. Journal of Materials Science: Materials in Electronics, 2021, 32, 21225-21236.	2.2	3
25	Structural and Dielectric Properties of $(1-x)(Al_{0.2}La_{0.8}TiO_3) + (x)(BiZnFeO_3)$ ($x=0.2-0.8$) nanocomposites. Journal of Inorganic and Organometallic Polymers and Materials, 2021, 31, 4512-4522.	3.7	3
26	Optical bandgap and ferroelectric studies of $Pb_{0.8-y}La_yCo_{0.2}TiO_3$ ($y = 0.2$ to 0.8) synthesized by microwave irradiation processed sol-gel technique. Advances in Natural Sciences: Nanoscience and Nanotechnology, 2019, 10, 035014.	1.5	2
27	Development of hybrid organic-inorganic perovskite (HOIP) composites. , 2021, , 225-237.		0